

**LIGHT PEN FOR CRT DISPLAYING DEVICE**

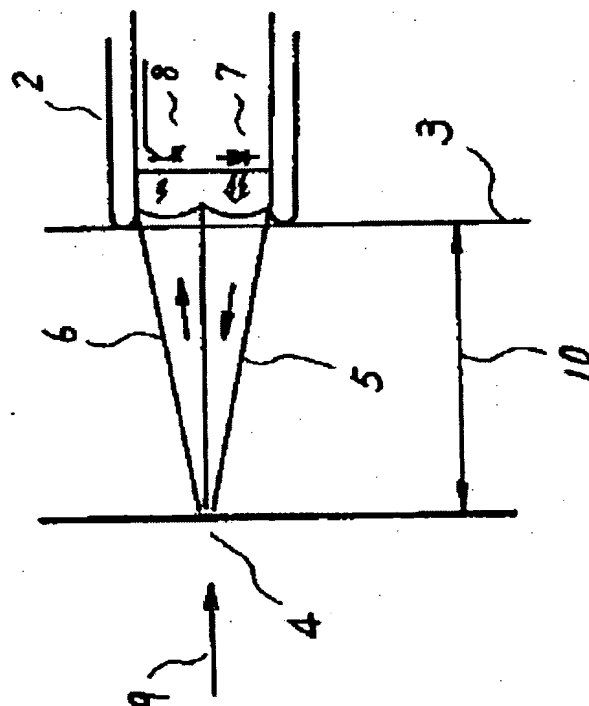
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**Abstract of JP58010232**

**PURPOSE:** To make an input work using a light pen easy, by reflecting a photodetecting point of the light pen with a light from a light emitting element equipped in the light pen and easily and optically recognizing the photodetecting point.

**CONSTITUTION:** An optical beam 5 emitted from a pen tip 2 is touched on a CRT displaying part 4 and reflected at the point. The reflected light becomes a dispersed light and the position of the displaying part 4 is informed to an operator. The photodetection of the light pen stops the light illumination of the light pen with a signal from a switch detecting the touch of the pen tip 2 on the CRT screen and is performed by receiving light on a fluorescent screen of the position of the CRT displaying part 4, separately from the reflected light entirely. The pen tip 2 of the light pen is incontact with a CRT display screen 3 and is directed to the plane 4. A light 5 of a light emitting element 7 of the light pen is reflected and dispersed. A light 6 illuminated from the fluorescent screen is received on a photodetection section 8 of the light pen.



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